**Prediluted Rabbit Polyclonal Antibody**

**Catalog Number:** IP 365 G10

**Description:** 10 ml, prediluted

**Intended Use:**
Analyte Specific Reagent. Analytical and performance characteristics have not been established.

**Summary & Explanation:**
P504S is an enzyme in the β-oxidation of branched-chain fatty acids. Expression of P504S protein is found in prostatic adenocarcinoma but not in benign prostatic tissue. It has also been found to stain premalignant lesions of the prostate: high-grade prostatic intraepithelial neoplasia (PIN) and atypical adenomatous hyperplasia. P504S can be used as a positive marker for PIN. It may be useful to confirm the diagnosis of small foci of prostate carcinoma in needle biopsies. P504S stains the majority prostate cancer, however, P504S has been shown to stain many other types of carcinoma such as hepatoma, breast carcinoma, pancreatic islet tumor and desmoplastic small round cell tumor. HMW CK and p63 may serve as a useful panel.

![Prostate cancer stained with P504S-2X antibody.](image)

**Clone:** N/A

**Isotype:** N/A

**Antibody Category:** Carcinoma

**Known Applications:**
Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

**Supplied As:**
Buffer with protein carrier and preservative.

**Storage and Stability:**
Store at 2ºC to 8ºC. Do not use after expiration date printed on vial. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user. Diluted reagents should be used promptly; any remaining reagent should be stored at 2ºC to 8ºC.

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**Note:**
Biocare protocols have been standardized using in-house antibodies, detection and accessory reagents for use on the intelliPATH automated stainer.

**Staining Procedure:**
Pre-optimized intelliPATH protocols with preset parameters can be displayed, printed and edited according to the procedure in the instrument's Operator's Manual. Refer to the Operator's Manual for additional instruction to navigate intelliPATH software and stainer. Use TBS for washing steps unless otherwise specified.

**Warranty:**
There are no warranties, expressed or implied, which extend beyond this description. Biocare is not liable for property damage, personal injury, or economic loss caused by this product.

**References:**